| Ir | ıd | ex | of | CI | lai | ms |
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|    |    |    |    |    |     |    |



Application/Control No.

10/828,872

Examiner

**Ernest Unelus** 

Applicant(s)/Patent under Reexamination

CRETA ET AL.

**Art Unit** 

2181

| <b>√</b> | Rejected |
|----------|----------|
| 1        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|  |  | ,       |          |  |              |          |                                     |              |  |              |  |
|--|--|---------|----------|--|--------------|----------|-------------------------------------|--------------|--|--------------|--|
| Cla  | im                                     | Date    |          |  |              |          |                                     |              |  |              |  |
| Final  | Original                               | 1/19/07 |          |  |              |          |                                     |              |  |              |  |
|  | 1                                      | 77      |          |  |              |          |                                     |              |  |              |  |
|  | 2                                      | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 3                                      | V       |          |  |              |          |                                     |              |  |              |  |
|  | 4                                      | 7       |          |  |              |          |                                     |              |  |              |  |
|  | 5                                      | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 6<br>7                                 | V       |          |  |              |          |                                     |              | Ш  |              |  |
| ļ  | 7                                      | 1       | _        | _  |              | _        |                                     |              | Ш  |              |  |
|  | 8                                      | 1       | -        | _  |              | _        |                                     | _            | Н  |              |  |
|  | 10                                     | 1       | <u> </u> |  | _            |          | _                                   |              |  | _            |  |
| -  | 11                                     | 1       | -        | -  |              |          |                                     |              |  |              |  |
| <del> </del>                                     | 12                                     |         |          |  | $\vdash$     | _        | _                                   | -            |  |              |  |
|  | 11<br>12<br>13<br>14<br>15<br>16<br>17 | 1       | $\vdash$ | $\vdash$   |              | _        | $\vdash$                            |              | Н  |              |  |
|  | 14                                     | 1       |          | Н  |              |          | Н                                   |              | $\vdash$   |              |  |
|  | 15                                     | V       |          | Г  | П            |          |                                     |              |  |              |  |
|  | 16                                     | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 17                                     | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 18                                     | V       |          |  |              |          |                                     |              |  |              |  |
|  | 19                                     | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 20<br>21                               | 1       |          |  |              |          |                                     |              | Ш  |              |  |
|  | 21                                     |         |          |  |              |          |                                     |              |  |              |  |
|  | 22                                     | 1       | <u></u>  | <u> </u>   |              | _        | _                                   |              |  | _            |  |
|  | 23<br>24                               | V       | _        | _  | _            | _        | _                                   |              | _  | <u> </u>     |  |
| <u> </u>   | 24                                     | 1       | _        |  | _            | _        | <u> </u>                            | <u> </u>     | _  | ├            |  |
| -  | 25<br>26                               | 1       | _        | -  | ┝            | -        | -                                   | ⊢            | -  | <u> </u>     |  |
| -  | 27                                     | V       | $\vdash$ | -  | -            | -        | ⊢                                   | $\vdash$     | _  | $\vdash$     |  |
|  | 28                                     |         | -        |  | $\vdash$     | ┢        | -                                   | <u> </u>     | -  | -            |  |
|  | 28<br>29                               | 1       |          | ┝  | $\vdash$     | -        | $\vdash$                            | $\vdash$     | <del>                                     </del> | -            |  |
| _  | 30                                     | V       | -        | -  | -            | $\vdash$ | $\vdash$                            | $\vdash$     | $\vdash$   | ┢            |  |
|  | 31                                     | V       |          | $\vdash$   | $\vdash$     | _        | $\vdash$                            | $\vdash$     |  | <del> </del> |  |
|  | 32                                     | 1       |          |  |              | _        |                                     | $\vdash$     |  |              |  |
|  | 33                                     | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 34                                     | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 35                                     | 1       |          |  |              |          |                                     |              |  |              |  |
|  | 36                                     | V       | _        |  | <u> </u>     | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L            | <u> </u>   | L            |  |
|  | 37                                     | _       | <u> </u> | <u> </u>   | <u> </u>     | $\vdash$ | _                                   | <u> </u>     | <u> </u>   | <u> </u>     |  |
|  | 38                                     | _       | <u> </u> | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>                            | <u> </u>     | <del> </del>                                     | $\vdash$     |  |
| <u> </u>   | 39                                     | -       | -        | ├-   | ├-           | $\vdash$ | _                                   | -            | -  | <u> </u>     |  |
| <u>                                     </u>     | 40<br>41                               | ├-      | -        | -  | <del> </del> |          | $\vdash$                            |              | <del>  -</del>                                   | $\vdash$     |  |
|  | 41                                     | ╁       | -        | <del> </del>                                     | $\vdash$     | $\vdash$ | -                                   | -            |  | ⊢            |  |
| <del>                                     </del> | 43                                     | ┢       | ┢        |  | ├            | ┝        | ┢                                   | <del> </del> | ├─   | $\vdash$     |  |
| <del>                                     </del> | 44                                     | 1       | $\vdash$ | <del>                                     </del> | $\vdash$     |          | $\vdash$                            | $\vdash$     | <del>                                     </del> | -            |  |
| <u> </u>   | 45                                     | 1       | Ι-       | $\vdash$   | ┢            | -        | _                                   | H            | $\vdash$   | $\vdash$     |  |
|  | 46                                     | T       | Т        | Г  | Т            | Г        | Г                                   |              | $\vdash$   | $\vdash$     |  |
|  | 47                                     | 1       | $\vdash$ | Т  | Г            | _        | T                                   | Г            | Г  |              |  |
|  | 48                                     |         |          |  | <u> </u>     |          |                                     | Г            | Γ  |              |  |
|  | 49                                     |         |          |  |              |          |                                     |              | L.   |              |  |
|  | 50                                     | Τ       |          |  |              |          |                                     |              | Γ  |              |  |

| Cla      | im       |             | Date     |              |  |  |          |          |   |               |  |  |
|----------|----------|-------------|----------|--------------|--|--|----------|----------|---|---------------|--|--|
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| =        | 2        | ı           | I        |              |  |  | l        |          |   |               |  |  |
| Final    | Original | I           | Į        | - 1          |  |  |          |          | I   |               |  |  |
| "        | õ        | -           |          |              | - 1  |  | ı        |          |   |               |  |  |
|          |          | _           | _        | _            |  |  | _        |          | _   |               |  |  |
| L        | 51       |             |          |              |  |  |          |          |   |               |  |  |
|          | 52       |             |          |              |  | 1  |          |          |   |               |  |  |
|          | 53       | $\neg \neg$ | T        |              |  |  | $\neg$   | -        |   |               |  |  |
|          | 54       | $\neg$      | $\neg$   |              |  | $\neg$   |          |          |   |               |  |  |
| <b>—</b> | 55       | $\dashv$    | -        | $\dashv$     |  | $\vdash$   |          |          |   | _             |  |  |
| -        |          | $\dashv$    |          |              | -  |  | $\dashv$ |          | $\dashv$  |               |  |  |
| <u> </u> | 56       | _           | _        | _            | _  | _  | -        | _        | _   |               |  |  |
|          | 57       |             | _        |              |  | •  |          |          |   |               |  |  |
|          | 58       |             |          |              |  |  |          |          |   |               |  |  |
|          | 59       |             |          | _            |  |  |          |          |   |               |  |  |
|          | 60       |             |          |              |  |  |          |          |   |               |  |  |
| $\vdash$ | 61       | $\dashv$    | $\neg$   |              |  | _  |          |          |   | _             |  |  |
| -        | 62       |             | $\dashv$ |              | $\vdash$   | $\vdash$   | $\vdash$ |          | -   |               |  |  |
|          | 04       | _           |          |              | $\vdash$   | Н  | $\dashv$ |          | _   | -             |  |  |
|          | 63       | _           | _        |              |  |  | Ш        | _        |   |               |  |  |
|          | 64       |             |          |              |  |  |          |          |   |               |  |  |
|          | 65       | 1           | _ 1      |              |  |  |          |          |   |               |  |  |
|          | 66       | $\neg$      |          |              |  |  |          |          |   |               |  |  |
|          | 67       |             |          |              | _  |  |          |          |   |               |  |  |
|          | 68       | $\vdash$    | _        |              | -  | -  |          |          |   |               |  |  |
|          | 69       | -           |          | _            | _  | -  | _        |          |   | -             |  |  |
| <u> </u> |          | _           |          |              | _  | _  |          | -        |   |               |  |  |
| <u> </u> | 70       |             |          |              |  | _  |          |          |   | _             |  |  |
|          | 71       |             |          |              |  |  |          |          |   | _             |  |  |
|          | 72       |             |          |              |  |  |          |          |   |               |  |  |
|          | 73       |             |          |              |  |  | _        |          |   |               |  |  |
| _        | 74       |             |          | _            |  | $\vdash$   | _        | _        |   |               |  |  |
| -        | 75       | _           |          | _            | -  | -  |          | -        | -   | $\vdash$      |  |  |
|          | 75       |             | _        |              | <u> </u>   | -  |          | -        | <del> -</del>   | -             |  |  |
|          | 76       |             |          |              |  | <u> </u>   |          | -        | <u> </u>  | <u> </u>      |  |  |
|          | 77       |             |          |              | _  | _  |          | _        |   | _             |  |  |
|          | 78<br>79 |             |          |              |  |  |          |          |   |               |  |  |
|          | 79       |             |          |              |  |  |          |          | 1   | l             |  |  |
|          | 80       |             |          |              |  |  |          |          |   |               |  |  |
|          | 81       |             |          |              |  |  |          | _        | $\overline{}$   | Т             |  |  |
| -        | 81<br>82 | -           | _        |              | $\vdash$   | $\vdash$   | $\vdash$ |          | $\vdash$  | -             |  |  |
| $\vdash$ | 83       |             | —        | -            | $\vdash$   | -  | $\vdash$ |          | $\vdash$  | -             |  |  |
| <u> </u> | 03       | -           |          | -            | -  | <u> </u>   | <u> </u> |          | <u> </u>  | _             |  |  |
| <u> </u> | 84       |             |          | <u> </u>     |  | $\vdash$   | L        | L.       | <u> </u>  | <u> </u>      |  |  |
| L        | 85       |             |          |              |  |  |          |          |   |               |  |  |
|          | 86       |             |          |              |  |  | L        |          |   |               |  |  |
|          | 87       |             |          |              |  |  |          |          |   |               |  |  |
|          | 88       | П           |          | Т            |  | Г  |          |          | _   |               |  |  |
| -        | 89       | -           | -        | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$  | $\vdash$      |  |  |
|          | 03       | -           |          | <del> </del> | -  | -  | ├        | ├        | -   |               |  |  |
| -        | 90       | _           | _        | <del> </del> | <b> -</b> -  | ├-   | <u> </u> | <u> </u> | <u> </u>  | -             |  |  |
| L        | 91       |             |          | <u> </u>     | _  | _  |          | L        | _   | <u> </u>      |  |  |
| L        | 92       | L           |          | _            |  | _  |          | <u>_</u> | $ldsymbol{ld}}}}}}$ |               |  |  |
|          | 93       |             |          |              |  | L  |          | L        |   | L             |  |  |
|          | 94       |             |          |              |  |  |          |          |   |               |  |  |
|          | 95       |             |          |              |  | <del>                                     </del> |          | _        | Г   | $\overline{}$ |  |  |
| <u> </u> | 96       | $\vdash$    |          | _            | $\vdash$   | $\vdash$   | <u> </u> | 1        | $\vdash$  | $\vdash$      |  |  |
| -        |          | $\vdash$    | _        | ├—           |  | ┝  | ├        | ├        | ├-  |               |  |  |
|          | 97       | $\vdash$    |          | <u> </u>     | ├-   |  | _        | -        | <b>—</b>  | <u> </u>      |  |  |
| <u> </u> | 98       | L_          |          | _            | <u> </u>   | <u> </u>   | <u> </u> | <u> </u> | <u>_</u>  | <u>_</u>      |  |  |
| L        | 99       |             |          | L            | $ldsymbol{ld}}}}}}$ |  | L        | L        | L   | L             |  |  |
|          | 100      |             |          |              |  |  | I        | _        |   |               |  |  |

| Cla          | Date  |  |          |  |              |  |  |  |          |  |
|--------------|---|--|----------|--|--------------|--|--|--|----------|--|
| _            |   |  |          |  |              |  |  |  |          |  |
| Final        | Original                                      |  |          |  |              |  |  |  |          |  |
| ᇤ            | ji  |  |          |  |              |  |  |  |          |  |
|              | 0   |  |          |  |              |  |  |  |          | ı  |
|              | 101   |  | _        |  |              |  |  |  |          |  |
|              | 101<br>102                                    |  |          |  |              |  |  |  |          |  |
|              | 103<br>104<br>105<br>106                      |  |          |  |              |  |  |  |          |  |
|              | 104   |  |          |  |              |  |  |  |          |  |
|              | 105   |  |          |  |              |  |  |  |          |  |
|              | 106   |  |          |  |              |  |  |  |          |  |
|              | 107   |  | Г        |  |              |  |  |  |          |  |
|              | 108   |  |          |  |              |  |  |  |          |  |
|              | 108<br>109                                    |  |          |  |              |  |  |  | П        |  |
|              | 110   |  |          |  |              |  |  |  |          |  |
|              | 111   |  |          | Π  |              |  |  |  |          |  |
|              | 112   |  |          |  |              |  |  |  |          |  |
|              | 113   |  |          | Г  |              |  |  |  |          | .  |
|              | 114   |  |          |  |              |  |  |  |          |  |
|              | 112<br>113<br>114<br>115<br>116<br>117<br>118 | $\vdash$   |          | i  |              |  |  |  |          | П  |
|              | 116   | <u> </u>   |          | Т  |              |  |  |  |          | П  |
|              | 117   | -  |          |  |              |  |  |  |          | П  |
|              | 118   | $\vdash$   |          |  |              |  |  |  |          | П  |
|              | 119   | -  | _        |  |              | <del>                                     </del>   |  | $\overline{}$                                    |          |  |
|              | 119<br>120<br>121<br>122<br>123               | Т  | _        | <del>                                     </del> |              |  |  | _  | Т        | П  |
|              | 121   | _  | $\vdash$ | <b>-</b>   | $\vdash$     | Г  |  |  |          | П  |
|              | 122   |  | Т        | <u> </u>   | ┢            | Н  | _  |  | 1        | П  |
| <u> </u>     | 123   |  |          | Г  | $\vdash$     | 1  |  |  | $\vdash$ | П  |
| <u> </u>     | 124   |  | $\vdash$ | $\vdash$   | 一            |  |  |  | ┰        | Н  |
|              | 124<br>125<br>126<br>127<br>128<br>129<br>130 |  | Н        | 一  | -            | -  |  | T  | $\vdash$ | Н  |
|              | 126   | _  | ╁        | $\vdash$   | -            | <del>                                     </del>   |  | $\vdash$   | _        | Н  |
|              | 127   | 一  | $\vdash$ | ┢  | _            |  | i i  |  |          |  |
| -            | 128   | -  | _        | ┢  | -            | -  | _  |  | $\vdash$ | _  |
|              | 129   |  | $\vdash$ | $\vdash$   |              | $\vdash$   | ┢  | ┢  | Ι.       |  |
|              | 130   | -  | 1        | -  |              | $\vdash$   | 一  |  | -        |  |
| <b>-</b>     | 131   | $\vdash$   | $\vdash$ | <u> </u>   |              | $\vdash$   | -  | -  | ╁        |  |
| <b>-</b>     | 132   | ┢  |          | $\vdash$   | _            | $\vdash$   | -  |  | $\vdash$ |  |
|              | 133   | $\vdash$   | ┢        | $\vdash$   | -            | -  | ├─   | -  | $\vdash$ | $\vdash$   |
| $\vdash$     | 131<br>132<br>133<br>134                      | <del>                                     </del> | 1        | <del>                                     </del> | $\vdash$     | -  | <del>  -</del>                                   | $\vdash$   |          | $\vdash$   |
| $\vdash$     | 135   | $\vdash$   | $\vdash$ | H  | $\vdash$     | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$ | Н  |
|              | 135<br>136                                    | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | 1  | $\vdash$   | _  | <u> </u> | $\vdash$   |
|              | 137   | <del>                                     </del> | $\vdash$ | $\vdash$   | -            | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$ |  |
| <del></del>  | 137<br>138                                    | $\vdash$   |          |  | $\vdash$     |  | $\vdash$   | $\vdash$   | -        | Н  |
|              | 139   | -  | $\vdash$ |  | -            | <del>                                     </del>   | <del>                                     </del> | $\vdash$   | $\vdash$ | H  |
| -            | 140   |  | -        | ├  | -            | $\vdash$   | -  | <del>                                     </del> | -        | $\vdash$   |
| $\vdash$     | 141   | 1  | $\vdash$ | $\vdash$   | -            | 1  | <del>  .</del>                                   | <del>                                     </del> | $\vdash$ | $\vdash$   |
|              | 142   | $\vdash$   | $\vdash$ | $\vdash$   | -            | <del>  -                                    </del> | $\vdash$   | $\vdash$   | 1        | $\vdash$   |
|              | 143   | -  | $\vdash$ | t  | ╁            |  | $\vdash$   | $\vdash$   | $\vdash$ | <del>                                     </del> |
|              | 144   | $\vdash$   | ╁        | ╁  | -            | <del>                                     </del>   | <del>  -</del>                                   | -  | ╁        | -  |
| <b>—</b>     | 145   | -  | ╁╌       | 1-   | $\vdash$     | +-   | -  | 1-   | $\vdash$ | $\vdash$   |
| <del> </del> | 146   | <del>                                     </del> | $\vdash$ | -  | -            | ┼─   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   |
| ├            | 147   | -  | -        | -  | -            | $\vdash$   | ╢  |  | ├-       | -  |
|              | 148   | -  | ├        | ┼  | ├-           | $\vdash$   | ⊢  | $\vdash$   | $\vdash$ | -  |
| -            | 149   | -  |          | ┼  | -            | ┼—   | ├  | -  | -        | ├  |
| <del> </del> | 150   | -  | 1-       |  | <del> </del> | ╁  | ├-   | $\vdash$   | -        | $\vdash$   |
| L            | 150   | L_   | L        | Ц.   | Ļ_           | _  | _  | $L_{L}$  | ١.,      | Ш.   |